Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION SERIAL NUMBER: 09/804,733

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics
The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

2 _____ Wrapped Aminos
The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

3 _____ Incorrect Line Length
The rules require that a line not exceed 72 characters in length. This includes spaces.

4 _____ Misaligned Amino Acid Numbering
The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 _____ Non-ASCII
This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 _____ Variable Length
Sequence(s) ____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.

7 _____ PatentIn ver. 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

8 _____ Skipped Sequences (OLD RULES)
Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 _____ Skipped Sequences (NEW RULES)
Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

10 _____ Use of n's or Xaa's (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

11 _____ Use of <213>Organism (NEW RULES)
Sequence(s) _____ are missing this mandatory field or its response.

12 _____ Use of <220>Feature (NEW RULES)
Sequence(s) ____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)

13 _____ PatentIn ver. 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,733

DATE: 03/27/2001
TIME: 15:22:51

Does Not Comply
Corrected Diskette Needed

Input Set : A:\Mtc661-1.txt
Output Set: N:\CRF3\03272001\I804733.raw

```
      3 <110> APPLICANT: Monsanto Company
      5 <120> TITLE OF INVENTION: RECOMBINANT PROTEINS CONTAINING REPEATING UNITS
      7 <130> FILE REFERENCE: MTC6614.1
C-->  9 <140> CURRENT APPLICATION NUMBER: US/09/804,733
C-->  9 <141> CURRENT FILING DATE: 2001-03-13
      9 <150> PRIOR APPLICATION NUMBER: US 60/188,990
     10 <151> PRIOR FILING DATE: 2000-03-13
     12 <160> NUMBER OF SEQ ID NOS: 29
     14 <170> SOFTWARE: PatentIn version 3.0
     16 <210> SEQ ID NO: 1
     17 <211> LENGTH: 5
     18 <212> TYPE: PRT
     19 <213> ORGANISM: Euthynnus pelamis
     21 <220> FEATURE:
     22 <221> NAME/KEY: PEPTIDE
     23 <222> LOCATION: (1)..(5)
     25 <400> SEQUENCE: 1
     27 Leu Lys Pro Asn Met
     28 1               5
     30 <210> SEQ ID NO: 2
     31 <211> LENGTH: 4
     32 <212> TYPE: PRT
     33 <213> ORGANISM: Euthynnus pelamis
     35 <220> FEATURE:
     36 <221> NAME/KEY: PEPTIDE
     37 <222> LOCATION: (1). (4)
     39 <400> SEQUENCE: 2
     41 Lys Pro Asn Met
     42 1
     44 <210> SEQ ID NO: 3
     45 <211> LENGTH: 4
     46 <212> TYPE: PRT
     47 <213> ORGANISM: Euthynnus pelamis
     49 <220> FEATURE:
     50 <221> NAME/KEY: PEPTIDE
     51 <222> LOCATION: (1)..(4)
     53 <400> SEQUENCE: 3
     55 Val Val Tyr Pro
     56 1
     58 <210> SEQ ID NO: 4
     59 <211> LENGTH: 15
     60 <212> TYPE: DNA
     61 <213> ORGANISM: Artificial/Unknown
     63 <220> FEATURE:
     64 <221> NAME/KEY: misc_feature
     65 <222> LOCATION: (1)..(15)
     66 <223> OTHER INFORMATION: Degenerate sequence
```

PP 2-5

invalid. Per 1.823 of new Sequence Rules the only valid <213> responses are: Unknown, Artificial Sequence, or Scientific name (Genus/species) — one of the three

See circled portion of item 12 on Error Summary Sheet

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,733

DATE: 03/27/2001
TIME: 15:22:51

Input Set : A:\Mtc661-1.txt
Output Set: N:\CRF3\03272001\I804733.raw

<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)..(15)
<223> OTHER INFORMATION: n=a, t, c or g; r=a or g; y=c or t
<400> SEQUENCE: 4
ctnaarccna ayatg 15
<210> SEQ ID NO: 5
<211> LENGTH: 60
<212> TYPE: DNA
<213> ORGANISM: Artificial/Unknown
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)..(60)
<223> OTHER INFORMATION: n=any nucleotide; r=a or g; y=c or t
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)..(60)
<223> OTHER INFORMATION: Degenerate sequence
<400> SEQUENCE: 5
ctnaarccna ayatgctnaa rccnaayatg ctnaarccna ayatgctnaa rccnaayatg 60
<210> SEQ ID NO: 6
<211> LENGTH: 60
<212> TYPE: DNA
<213> ORGANISM: Artificial/Unknown
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)..(60)
<223> OTHER INFORMATION: n=any nucleotide, r=a or g, y=c or t
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)..(60)
<223> OTHER INFORMATION: degenerate sequence
<400> SEQUENCE: 6
catrttnggy ttnagcatrt tnggyttnag catrttnggy ttnagcatrt tnggyttnag 60
<210> SEQ ID NO: 7
<211> LENGTH: 25
<212> TYPE: DNA
<213> ORGANISM: Artificial/Unknown
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)..(25)
<223> OTHER INFORMATION: Primer
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)..(25)
<223> OTHER INFORMATION: n=any nucleotide; r=a or g; y=c or t
<400> SEQUENCE: 7
aaagaattcc tnaarccnaa yatgc 25
<210> SEQ ID NO: 8

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,733

DATE: 03/27/2001
TIME: 15:22:51

Input Set : A:\Mtc661-1.txt
Output Set: N:\CRF3\03272001\I804733.raw

<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Artificial/Unknown
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)..(27)
<223> OTHER INFORMATION: Primer
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)..(27)
<223> OTHER INFORMATION: n=any nucleotide; r=a or g; y=c or t
<400> SEQUENCE: 8
W-> 160 **aaagcggccg ccatrttngg yttnagc** 27
<210> SEQ ID NO: 9
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Artificial/Unknown
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)..(20)
<223> OTHER INFORMATION: Primer
<400> SEQUENCE: 9
175 taatacgact cactataggg 20
<210> SEQ ID NO: 10
<211> LENGTH: 19
<212> TYPE: DNA
<213> ORGANISM: Artificial/Unknown
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)..(19)
<223> OTHER INFORMATION: Primer
<400> SEQUENCE: 10
190 cgatcaataa cgagtcgcc 19
<210> SEQ ID NO: 11
<211> LENGTH: 48
<212> TYPE: DNA
<213> ORGANISM: Artificial/Unknown
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)..(48)
<223> OTHER INFORMATION: n=any nucleotide; y=c or t
<220> FEATURE:
<221> NAME/KEY: misc_feature
<222> LOCATION: (1)..(48)
<223> OTHER INFORMATION: Degenerate sequence
<400> SEQUENCE: 11
W-> 211 **gtngtntayc cngtngtnta yccngtngtn tayccngtng tntayccn** 48
<210> SEQ ID NO: 12
<211> LENGTH: 48

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,733

DATE: 03/27/2001
TIME: 15:22:51

Input Set : A:\Mtc661-1.txt
Output Set: N:\CRF3\03272001\I804733.raw

```
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial/Unknown
219 <220> FEATURE:
220 <221> NAME/KEY: misc_feature
221 <222> LOCATION: (1)..(48)
222 <223> OTHER INFORMATION: n=any nucleotide; r=a or g
225 <220> FEATURE:
226 <221> NAME/KEY: misc_feature
227 <222> LOCATION: (1)..(48)
228 <223> OTHER INFORMATION: Degenerate sequence
231 <400> SEQUENCE: 12
W--> 232 nggrtanacn acnggrtana cnacnggrta nacnacnggr tanacnac                48
235 <210> SEQ ID NO: 13
236 <211> LENGTH: 33
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial/Unknown
240 <220> FEATURE:
241 <221> NAME/KEY: misc_feature
242 <222> LOCATION: (1)..(33)
243 <223> OTHER INFORMATION: Forward primer
246 <220> FEATURE:
247 <221> NAME/KEY: misc_feature
248 <222> LOCATION: (1)..(33)
249 <223> OTHER INFORMATION: n=any nucleotide; y=c or t
252 <400> SEQUENCE: 13
W--> 253 aaaggatccg tngtntaycc ngtngtntay ccn                             33
256 <210> SEQ ID NO: 14
257 <211> LENGTH: 33
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial/Unknown
261 <220> FEATURE:
262 <221> NAME/KEY: misc_feature
263 <222> LOCATION: (1)..(33)
264 <223> OTHER INFORMATION: Reverse primer
267 <220> FEATURE:
268 <221> NAME/KEY: misc_feature
269 <222> LOCATION: (1)..(33)
270 <223> OTHER INFORMATION: n=any nucleotide; r=a or g
273 <400> SEQUENCE: 14
W--> 274 cccaagcttn ggrtanacna cnggrtanac nac                             33
277 <210> SEQ ID NO: 15
278 <211> LENGTH: 45
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial/Unknown
282 <220> FEATURE:
283 <221> NAME/KEY: misc_feature
284 <222> LOCATION: (1)..(45)
285 <223> OTHER INFORMATION: n=any nucleotide
288 <220> FEATURE:
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,733

DATE: 03/27/2001
TIME: 15:22:51

Input Set : A:\Mtc661-1.txt
Output Set: N:\CRF3\03272001\I804733.raw

289 <221> NAME/KEY: misc_feature
290 <222> LOCATION: (1)..(45)
291 <223> OTHER INFORMATION: Degenerate sequence
294 <400> SEQUENCE: 15
OK> 295 gtnccnccng tnccnccngt nccnccngtn ccnccngtnc cnccn 45
298 <210> SEQ ID NO: 16
299 <211> LENGTH: 45
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial/Unknown
303 <220> FEATURE:
304 <221> NAME/KEY: misc_feature
305 <222> LOCATION: (1)..(45)
306 <223> OTHER INFORMATION: n=any nucleotide
309 <220> FEATURE:
310 <221> NAME/KEY: misc_feature
311 <222> LOCATION: (1)..(45)
312 <223> OTHER INFORMATION: Degenerate sequence
315 <400> SEQUENCE: 16
OK> 316 nggnggnacn ggnggnacng gnggnacngg nggnacnggn ggnac 45
319 <210> SEQ ID NO: 17
320 <211> LENGTH: 36
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial/Unknown
324 <220> FEATURE:
325 <221> NAME/KEY: misc_feature
326 <222> LOCATION: (1)..(36)
327 <223> OTHER INFORMATION: Forward primer
330 <220> FEATURE:
331 <221> NAME/KEY: misc_feature
332 <222> LOCATION: (1)..(36)
333 <223> OTHER INFORMATION: n=any nucleotide
336 <400> SEQUENCE: 17
OK> 337 aaaggatccg tnccnccngt nccnccngtn ccnccn 36
340 <210> SEQ ID NO: 18
341 <211> LENGTH: 36
342 <212> TYPE: DNA
343 <213> ORGANISM: Artificial/Unknown
345 <220> FEATURE:
346 <221> NAME/KEY: misc_feature
347 <222> LOCATION: (1)..(36)
348 <223> OTHER INFORMATION: Reverse primer
351 <220> FEATURE:
352 <221> NAME/KEY: misc_feature
353 <222> LOCATION: (1)..(36)
354 <223> OTHER INFORMATION: n=any nucleotide
357 <400> SEQUENCE: 18
OK> 358 aataagcttn ggnggnacng gnggnacngg nggnac 36
361 <210> SEQ ID NO: 19
362 <211> LENGTH: 8

Please correct this error in subsequent sequences.

FYI

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/804,733

DATE: 03/27/2001
TIME: 15:12:52

Input Set : A:\Mtc661-1.txt
Output Set: N:\CRF3\03272001\I804733.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 4
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 5
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 7
L 160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L 211 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:11
L:232 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:12
L 253 M:341 W. (46) "n" or "Xaa" used, for SEQ ID# 13
L 274 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:14
L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:316 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:16
L:337 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:17
L 358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 18
L:395 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:20
L 416 M 341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:458 M 341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L 497 M 341 W (46) "n" or "Xaa" used, for SEQ ID#:25
L:499 M 341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:520 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:26
L:522 M 341 W (46) "n" or "Xaa" used, for SEQ ID#:26
L:543 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L 545 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:27
L:566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L 568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28